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ABSTRACT

ABSORBENT COMPOSITES: Manufacture of Pseudo-Fiber™ Natural Fibers and Method of Forming of Multi-fiber Composites for Strength, Insulation, Sound, Fluids and Odor Absorbency

Multi-fiber composites consist of a combinant structure of cellulosic wood and/or non-wood or polymeric fibers which are mixed with non-fibrous materials and/or waste materials and processed to form Pseudo-Fiber™ natural fibers. They offer economic and environmental efficiencies to wood, non-wood papermaking, polymeric and other composite operations, including construction composites as in the making of concrete, etc. They also provide useful, multivarious functional fiber properties necessary or desired in the manufacture of, but not limited to, automotive, construction, disposable cups, packaging, food and non-food packaging; disposable hygiene products of diapers, feminine care, incontinence; disposable medical products of wound dressings, surgical gowns and drapes; personal care and filtration products.